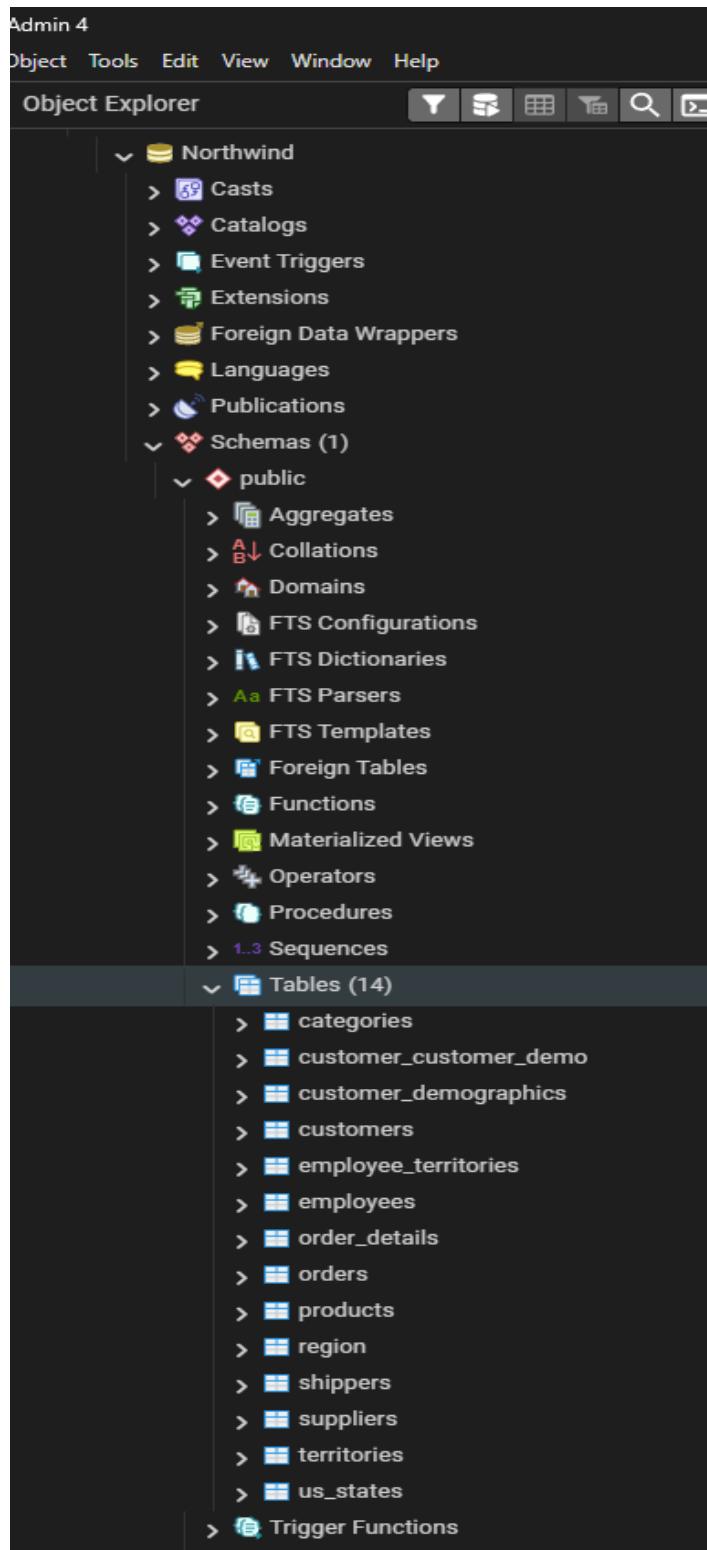


Exercise: From Database to Dashboard Northwind Lab

Practice

- Screenshot of pgAdmin showing the Northwind tables

We have totally 14 tables



Name: Vo Thi Hoai Anh

Course: MIS 443

Exercise: From Database to Dashboard Northwind Lab

Question 1 — Show all products that cost more than \$20

The screenshot shows a SQL query window with the following code:

```
1.0 -- Part 2: SQL Practice Questions
1.1 -- Question 1: Show all products that cost more than $20
1.2
1.3 SELECT product_name
1.4 FROM products
1.5 WHERE unit_price > 20;
1.6
```

The results grid displays 37 rows of product names, each preceded by a number from 1 to 37. The columns are labeled "product_name" and "character varying (40)".

	product_name	character varying (40)
1	Chef Anton's Cajun Seasoning	
2	Chef Anton's Gumbo Mix	
3	Grandma's Boysenberry Spread	
4	Uncle Bob's Organic Dried Pears	
5	Northwoods Cranberry Sauce	
6	Mishi Kobe Niku	
7	Ikura	
8	Queso Cabrales	
9	Queso Manchego La Pastora	
10	Tofu	
11	Alice Mutton	
12	Camarón Tigers	
13	Sir Rodney's Marmalade	
14	Gustaf's Knäckebrot	
15	Gumbär Gummibärchen	
16	Schoggi Schokolade	
17	Rössle Sauerkraut	
18	Thüringer Rostbratwurst	

Total rows: 37 Query complete 00:00:00.134 CRLF Ln 11, Col 57

Answer: all products that cost more than \$20 is 37

Question 2 — JOIN Two Tables (Display the Order ID, Customer Company Name, and Order Date)

The screenshot shows a SQL query window with the following code:

```
17 -- Question 2: Display the Order ID, Customer Company Name, and Order Date (JOIN Two Tables)
18
19 SELECT
20     o.order_id,
21     c.company_name,
22     o.order_date
23 FROM orders o
24 INNER JOIN customers c ON o.customer_id = c.customer_id;
```

The results grid displays 830 rows of data, each preceded by a number from 1 to 830. The columns are labeled "order_id", "company_name", and "order_date".

	order_id	company_name	order_date
1	10248	Vins et alcools Chevalier	1996-07-04
2	10249	Toms Spezialitäten	1996-07-05
3	10250	Hanari Carnes	1996-07-08
4	10251	Victuailles en stock	1996-07-08
5	10252	Suprême délices	1996-07-09
6	10253	Hanari Carnes	1996-07-10
7	10254	Chop-suey Chinese	1996-07-11
8	10255	Richter Supermarkt	1996-07-12
9	10256	Wellington Importadora	1996-07-15
10	10257	HILARION-Abastos	1996-07-16
11	10258	Ernst Handel	1996-07-17
12	10259	Centro comercial Moctezuma	1996-07-18
13	10260	Ottlie's Käseladen	1996-07-19
14	10261	Que Delícia	1996-07-19
15	10262	Rattlesnake Canyon Grocery	1996-07-22
16	10263	Ernst Handel	1996-07-23
17	10264	Folk och få HB	1996-07-24
18	10265	Blondedssöderström père et fils	1996-07-25

Total rows: 830 Query complete 00:00:00.132 CRLF Ln 23, Col 14

Answer: When we join two tables, we have 830 rows

- Screenshot of your Power BI visualization

Name: Vo Thi Hoai Anh

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Exercise: From Database to Dashboard Northwind Lab

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Clipboard Sum of order_id by Year

Sum of order_id
Year
1996 1M
1997 4M
1998 2.5M

37 Count of product_name

product_name	Sum of unit_price
Chartreuse verte	18.0
Chef Anton's Cajun Seasoning	22.0
Chef Anton's Gumbo Mix	21.3
Chocolate	12.7
Côte de Blaye	263.5
Espagnole de Bourgogne	13.2
Filo Mix	7.0
Rotisserie	21.5
Geitost	2.5
Genen Shouyu	13.0
Gnocchi di nonna Alice	38.0
Total	2.220.2

Filters Visualizations Data

Filters on this page Add data fields here

Filters on all pages Add data fields here

Add data fields here Drill through Cross-report Keep all filters Add drill-through fields here

Values

public customers
public orders
customer_id
employee_id
freight
order_date
order_id
required_date
ship_address
ship_city
ship_country
ship_name
ship_postal_code
ship_region
ship_via
shipped_date
category_id
discontinued
product_id
product_name
reorder_level
supplier_id
unit_price
units_in_stock
units_on_order

Question 1 Question 2 +

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Clipboard Sum of order_id by company_name, Year, Quarter, Month, Day

company_name	Year	Quarter	Month	Day
Alfreds Futterkiste	1997	Qtr 3	August	25
Alfreds Futterkiste	1997	Qtr 3	October	3
Alfreds Futterkiste	1997	Qtr 4	October	13
Alfreds Futterkiste	1998	Qtr 1	January	15
Alfreds Futterkiste	1998	Qtr 1	March	16
Alfreds Futterkiste	1998	Qtr 2	April	9
Ana Trujillo Emparedados y helados	1996	Qtr 3	September	18
Ana Trujillo Emparedados y helados	1997	Qtr 3	August	8
Ana Trujillo Emparedados y helados	1997	Qtr 4	November	28
Ana Trujillo Emparedados y helados	1998	Qtr 1	March	4
Antonio Moreno Taqueria	1996	Qtr 4	November	27
Antonio Moreno Taqueria	1997	Qtr 2	April	15
Antonio Moreno Taqueria	1997	Qtr 2	May	13
Antonio Moreno Taqueria	1997	Qtr 2	June	19
Antonio Moreno Taqueria	1997	Qtr 3	September	22
Antonio Moreno Taqueria	1997	Qtr 3	September	25
Antonio Moreno Taqueria	1998	Qtr 1	January	28
Around the Horn	1996	Qtr 4	November	15
Around the Horn	1996	Qtr 4	December	16
Around the Horn	1997	Qtr 1	February	21
Around the Horn	1997	Qtr 2	June	4
Around the Horn	1997	Qtr 4	October	16

830 Count of order_id

Filters Visualizations Data

Filters on this page Add data fields here

Filters on all pages Add data fields here

Add data fields here Drill through Cross-report Keep all filters Add drill-through fields here

Values

public customers
public orders
customer_id
employee_id
freight
order_date
order_id
required_date
ship_address
ship_city
ship_country
ship_name
ship_postal_code
ship_region
ship_via
shipped_date
category_id
discontinued
product_id
product_name
reorder_level
supplier_id
unit_price
units_in_stock
units_on_order

Question 1 Question 2 +

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